

# Review and Perspective of Study on Myriapodology of China

*Daqing WANG \* & Jean-Paul MAURIÈS \*\**

\* Department of Invertebrates, Institute of Zoology  
Chinese Academy of Sciences, Beijing 100080

\*\* Muséum National d'Histoire Naturelle, Laboratoire de Zoologie/Arthropodes  
61, rue Buffon, F-75231 Paris, France

## ABSTRACT

This contribution reviews the history and the present state of research in Myriapodology in China. It introduces all Chinese researchers and their work in the field. Considering the present state of knowledge of Myriapoda, perspectives and some suggestions are presented for future studies in this field in China.

## RÉSUMÉ

### **Bilan et perspectives des recherches myriapodologiques en Chine.**

Ce travail passe en revue le développement historique et l'état actuel des recherches myriapodologiques en Chine. Il fait état des travaux de tous les chercheurs chinois dans ce domaine. Un certain nombre de perspectives sont dégagées et des suggestions sont proposées en vue de futurs travaux sur ce sujet en Chine.

## INTRODUCTION

The features of Chinese zoogeography and geology are unusual and diverse. Zoogeographically, China covers two zones: the orient and the palearctic. Physiographically, China occupies 6.5% of the land surface of the world. The varied features make China abundant in diversity of animal species. However, the present situation of study on Myriapoda of China does not match in possibility provided by the fauna.

The starting point of the modern period of myriapology in China began in the late 1940s, when the study of Taiwan diplopods commences. Studies on the Chinese mainland only began in the late 1970s, since when a relatively prosperous period of myriapod study started. For many years, only a small fraction of the actual China myriapod fauna and the work of Chinese myriapodologists were known. An important reason for this is the language barrier because many papers published by Chinese scientists were only accompanied by a brief abstract in English. Hence the present paper is intended to introduce the current situation of Chinese myriapodology in five sections: historical review and perspective, literature survey, collecting localities, checklist of taxa, geographical and physiographical notes.

## GEOGRAPHICAL, PHYSIOGRAPHICAL AND GEOLOGICAL NOTES

The present nation of China occupies an area of about 9.6 millions km<sup>2</sup>, of which lies on the east of Euro-asian continent and the western coast of the Pacific Ocean. China has an ancient and complex geology. In terms of Plate Tectonics, China basically belongs to the Eurasian-plate, connecting with the Indo-plate in south and jointing the Pacific-plate of the Philippine-plate in the East. The geological history of China is the result of the interactions of the three plates mentioned above.

The Sino-Indo orogenic movement was the key factor in the formation of the Chinese region in the early Mesozoic. From that time, the outline of the region was fundamentally formed. From Yianshan orogenic movement to the early Tertiary, the land surface of China and the rest of the world has been relatively stable. The surface became lower and flatter because of chronic erosion and weathering, and the climate became warmer.

The Himalayan orogenic movement was directly responsible for the formation of the modern physiographical environment of China during the Cenozoic. The great orogenic movement comprised two events: the first occurred from the late Oligocene to the Middle Miocene; the second continued from the late Pliocene to the early Pleistocene, this being the more sporadic orogen.

The second orogenic event was the most significant factor in the formation of the modern physiographical variations of China. Under the force of the Himalayan orogenic movement, the physiographical environment of the Euro-asian continent greatly changed: the ancient Mediterranean sea disappeared; the Euro-asian continent jointed together; the great Tibetan plateau emerged and became the world's crest. Due to these events, the climate of China consequently changed.

The elevation of the Tibet plateau, which blocked the moist winds from the ocean, resulted in the formation of an arid physiographical environment in western China. To a large extent, other regions succeeded the tropical or subtropical environment which formed before the Quaternary.

## HISTORICAL REVIEW AND PERSPECTIVE

Myriapods have been collected and recorded in China for more than 2000 years because the Chinese use some species, notably centipedes, in medicine. According to traditional Chinese medicine, large centipedes, such *Scolopendra*, can treat diseases, such carbuncles, scabies and the sting of some insects. This is based on the traditional medicine theory that one poison can be overcome by another. Hence, for a long time, the collection and study of Chinese myriapods has focused on the medicinal use of centipedes, particularly large species. Up to now, people in countries of southern China have a habit that treat stings of insects by using the alcohol in which centipedes have been immersed.

The Chinese Encyclopedia of material medicine, named "Ben Cao Gang Mu", edited in 1596, listed this as a kind of animal medicine and described its medicinal effects in detail. As a result, some medical experts have analyzed centipede toxins using biochemical techniques. However, the scientific study of the systematics of Chinese myriapods did not start until this century.

The first such study dealing with Chinese myriapods dates from the late 1940s, when Professor WANG Youxie (Yu-Hsi) commenced the study of diplopods of Taiwan. This was the first time that Chinese myriapodologists had studied Chinese myriapods by themselves. In his early study career, WANG sent collections of millipedes and centipedes to LOHMANDER to identify. Later, much work was accomplished by himself towards the description and identification of specimens from Taiwan and its adjacent islands. Most of his papers were published in the *Quarterly Journal of the Taiwan Museum*. After the late 1960s his name

disappeared from the literature. One of us (W. D.) asked several entomologists from Taiwan about him, but to no avail. In 1950, the Chinese archaeologists JIA Lanpuo and LIU Xianting discovered several fossil myriapods in Choukoutien, Beijing, and their paper was published in the *Bulletin of the Geological Society of China*. This was the first time that the fossil myriapods were reported in China.

Since the 1970s, Professor ZHANG Chong-Zhou has begun the systematic study of mainland Chinese myriapods, including Diplopoda, Chilopoda, Symphyla and Pauropoda. From that time, myriapodology was just known in China as a systematics owing to Professor ZHANG's outstanding work.

From 1976 to 1979, Professor ZHANG was mainly engaged in the studies of medicinal centipedes, including their ecological habitats, individual development and breeding. In 1977, ZHANG reported a new species of spirostreptoid collected by LI Zhi-Yin from Yunnan. In 1978, he described myriapods collected by the same collector from Xisha islands. In 1980, he reported a preliminary study on the Symphyla of China, based on material collected by CHEN Zhong-Pin from Jinhua, Zhejiang.

From 1981 to 1983, ZHANG & LI described five new species belonging to five different groups of millipedes, described the new family Bilingulidae in 1981, and redescribed *Scolopendra mazbii*, collected by LI Zhi-Yin from Tibet, in 1983. The next year, ZHANG Chong-Zhou published a new xystodesmoid, taken by MAO Jerong from Zhejiang province and, in the same year, LI Zhi-Yin published a summary of centipede species of medicinal use. From 1985 to 1990, ZHANG Chong-Zhou reported three new species taken by LI from southwestern China, and described a new genus and species of harpagophoroid collected by ZHANG Nai-Gang from Yunnan in 1990.

In 1988 an important paper by ZHANG & CHEN Zhong-Pin appeared on Pauropoda from Zhemiang province, listing eight species, four of which were described as new. This paper also gave the first checklist of Pauropods in China. CHEN Jian-Xiu & MENG Weng-Xin described a new cambalopsoid in 1991, but have not published since. In 1992, ZHANG & WANG Daqing reported six subtropical soil species in a resource survey on centipedes for medicinal use from Wuling mountain. In 1993, WANG Daqing reported six species of diplopods, three of them as new, based on material from Fujian province.

By the end of 1993, more than 300 species taxa of myriapods had been described or reported from China in the papers listed in the references. Obviously, we probably know only 5% of the actual and real number of taxa that occur in China, perhaps even less...

#### PERSPECTIVES AND SUGGESTIONS

From the summary given above, we may get two kinds of impressions: one is that there are only a few researchers who are engaged in the study of myriapods in China; the other is that the research mainly focuses on the description of new species, and lacks systematic and in-depth studies. One of the reasons for this is that the study of myriapodology in China started late. Another reason is the large size of China. Finally the study of myriapodology currently belongs to the range of basic science, so that research funds are difficult to obtain, because the result of study cannot quickly bring profit, especially in the reality of China today. Perhaps the latter is the reason why few young specialists are interested in this field. Although this situation results in a vicious circle, it does not necessarily mean that systematics will disappear. On the contrary, we believe that systematics will prosper again, with the appearance of cladistics as an example. And we believe that this could be soon, because there are, after all, many old and young researchers willingly engaged in the study of myriapodology. However, it is true that we face a very serious challenge, especially in China.

In order to overcome such a situation in China, perhaps it might be practicable to systematically study other uses for medicinal myriapods, as food for instance (centipedes can be)

or by extracting the pure toxin from their bodies to treat disease in order to obtain money for less applied studies. If successful, it would be a beneficial circle.

China is a large region including two zoogeographical zones. The study of Chinese myriapodology needs a large number of biological researchers to join in, including foreign myriapodologists. Therefore, it is important to develop all kinds international co-operation and communication. The study of Chinese myriapod fauna will contribute to the myriapod fauna of the world.

At present in China, the systematic and detailed study of some taxa such as the orders Julida, Polydesmida and Scolopendromorpha, should be carried out first. The next stage would be to cover these orders in the two zoogeographical zones. The third will be devoted to the study of zoogeography in the two zones. These are just suggestions. It is earnestly hoped that this paper will provide a useful appeal to present and future researchers of Chinese Myriapoda, who will be able to join us and to build their own greater and finer edifices.

#### PROVISIONAL CHECKLIST OF MYRIAPOD SPECIES OF CHINA

The following preliminary list is mainly compiled from the papers published in China, the partial from abroad. Because the literature is so scattered and many are new reports, especially some published in Chinese, authors and dates of publications for species have been included.

#### Class DIPLOPODA

##### Subclass Penicillata

##### Order Polyxenida

##### Fam. Polyxenidae

*Polyxenus hangzoensis* Ishii & Liang, 1990

*Eudigraphis taiwaniensis* Ishii, 1990

*Eudigraphis sinensis* Ishii & Liang, 1990

##### Fam. Lophoproctidae

*Lophoturus okinawai* (Nguyen Duy - Jacquemin & Condé, 1982) - Ishii, 1990

##### Subclass Pentazonia

##### Order Sphaerotheria

##### Fam. Sphaeropoëidae

*Chinosphaera majorina* Zhang & Li, 1982

*Chinosphaera maculosa* Attems, 1935

*Chinosphaera multidentata* Wang & Zhang, 1993

*Zephronia* (?) *profuga* Attems, 1936

*Zephronia* (?) *hainana* Gressitt, 1941

##### Order Glomerida

##### Fam. Glomeridae

*Hyleglomeris sinensis* (Brölemann, 1896)

*Hyleglomeris emarginata* Golovatch, 1981

##### Pentazonia incertae sedis

"*Glomeris*" *bicolor* (Wood, 1865)

##### Subclass Colobognatha

##### Order Platydesmida

##### Fam. Andrognathidae

*Sinocybe cooki* Loomis, 1942

*Symphyopleurium hozawai* (Chamb. & Wang, 1953)

##### Order Siphonophorida

##### Fam. Siphonophoridae

*Siphonophora* sp. (Wang, unpublished)

##### Subclass Helminthomorpha

##### Supraorder Iuliformia

##### Order Fossil

"*Iulus*" *pei* Chioa & Liu, 1951: 24

##### Order Spirobolida

##### Fam. Spirobolidae

*Spirobolus bungii* Brandt, 1833

= *Spirobolus exquisitus* Karsch, 1881

- = *Spirobolus joannesi* Brälemann, 1896 - Wang, 1955, 1958  
*Spirobolus walkeri* Pocock, 1895  
*Spirobolus cincinnalis* Wang & Zhang, 1993  
*Spirobolus grahami* Keeton, 1960  
*Spirobolus formosae* Keeton, 1960  
*Spirobolus umbobrochus* Keeton, 1960  
*Trigoniulus niger* Takakuwa, 1940 - Wang, 1955  
*Trigoniulus takahasii* Takakuwa, 1940  
*Trigoniulus segmentatus* Takakuwa, 1940 - Wang, 1955, 1964  
*Trigoniulus tertius* Takakuwa, 1940 - Wang, 1958  
*Spirostrophus lanyusis* Wang, 1955  
*Spirobolellus tatakawai* Wang, 1961
- Order Spirostreptida
- Fam. Harpagophoridae
- Gonoplectus astutus* Attems, 1936  
*Junceustreptus retrorsus* Hoffman, 1980  
*Junceustreptus browningi* Demange, 1961  
*Junceustreptus prominulus* Demange, 1961  
*Junceustreptus brevispinus* Zhang, 1985  
*Uriunceustreptus afemorispinus* Zhang & Chang, 1990  
*Agariogonopus acrotrifolius* Zhang (in press)
- Order Cambalida
- Fam. Pericambalidae
- Bilingulus sinicus* Zhang & Li, 1981  
*Parabilingulus aramulus* Zhang & Li, 1981
- Fam. Cambalidae
- Glyphiulus anophthalmus* (Loksa, 1960)  
*Glyphiulus balaszi* (Loksa, 1960)  
*Glyphiulus granulatus* Gervais, 1847  
= ? *Glyphiulus vulgatus* Zhang & Li, 1982  
= ? *Glyphiulus tuberculatus* (Verhoeff, 1936) - Chamberlin & Wang, 1953,  
Wang, 1955, 1957  
*Glyphiulus formosa* (Pocock, 1895)  
*Glyphiulus pulcher* (Loksa, 1960)  
*Glyphiulus recticullus* Zhang & Li, 1982  
*Glyphiulus multicarinus* Zhang & Li, 1982  
*Glyphiulus adeloglyphus* Zhang & Li, 1982  
*Glyphiulus quadrohamatus* Chen & Meng, 1991
- Order Julida
- Fam. Nemasomatidae
- Orinisobates gracilis* (Verhoeff, 1933) - Enghoff, 1985  
*Sinostemmiulus simplicior* Chamberlin & Wang, 1953 - Hoffman, 1966
- Fam. Mongoliulidae
- Skleroprotopus confucius* Attems, 1901  
*Skleroprotopus laticoxalis* Takakuwa, 1942  
*Skleroprotopus serratus* Takakuwa & Takashima, 1949  
*Skleroprotopus membranipedalis* Zhang, 1985
- Fam. Paraiulidae
- Karteroiulus niger* Attems, 1909 - Enghoff, 1987
- Fam. Julidae
- Amblyiulus* sp. Takakuwa & Takashima, 1949  
*Anaulaciulus paludicola* (Pocock, 1895) - Causey, 1966  
*Anaulaciulus simplex* (Verhoeff, 1936) - Wang, 1964  
*Anaulaciulus tonginus* (Karsch, 1881)  
*Anaulaciulus trapezoidus* (Wang, 1955, 58, 63)  
*Anaulaciulus trilobus* (Wang, 1963)  
= *Anaulaciulus trilobus quemoyensis* (Wang, 1963)  
*Anaulaciulus trilobus khuuai* (Wang, 1963)  
*Anaulaciulus vallicola* (Pocock, 1895) - Causey, 1966  
*Nepalmatoiulus tibetanus* Enghoff, 1987  
*Nepalmatoiulus raphimeritus* Enghoff, 1987

- Nepalmatoiulus brachymeritus* Enghoff, 1987  
*Nepalmatoiulus polyakis* Enghoff, 1987  
*Nepalmatoiulus fraterdraconis* Enghoff, 1987  
*Nepalmatoiulus eulobos* Enghoff, 1987  
*Nepalmatoiulus yunnanensis* Enghoff, 1987
- Supraorder Coelochaeta
- Order Callipodida
- Fam. Caspiopetalidae  
*Bollmania* sp. Golovatch, 1981
- Fam. Sinocallipodidae  
*Sinocallipus simplicipodus* Zhang, 1993
- Fam. Paracortinidae  
*Paracortina voluta* Wang & Zhang, 1993  
*Paracortina leptoclada* Wang & Zhang, 1993  
*Paracortina (Altum) carinata* (Wang & Zhang, 1993)  
*Paracortina (Altum) serrata* (Wang & Zhang, 1993)  
*Paracortina (Relictus) stimula* (Wang & Zhang, 1993)  
*Paracortina (Relictus) thallina* (Wang & Zhang, 1993)  
*Paracortina (Altum) viriosa* (Wang & Zhang, 1993)
- Order Craspedosomatida (=Chordeumatida auct.)
- Fam. Diplomaragnidae  
*Syntelopodeuma gracilipes* Verhoeff, 1941- Wang, 1958  
*Diplomaragna formosanum* (Verhoeff, 1936) - Shear, 1990
- Fam. Speophilosomatidae  
*Speophilosoma* sp. Wang, 1958
- incertae sedis  
 G.sp. Verhoeff, 1933 - Chamberlin & Wang, 1953
- Superorder Merocheta
- Order Polydesmida
- Suborder Paradoxosomatidea
- Fam. Paradoxosomatidae
- Subfam. Alogolykinae)
- Tribe Alogolykini  
*Yuennanina ceratogaster* Attems, 1936  
*Yuennanina aceratogaster* Zhang & Li, 1977  
*Yuennanina petalobodes* Chang & Zhang, 1989
- Tribe Polydrepanini  
*Orophosoma hingstoni* (Carl, 1935) - Jeekel, 1980  
*Orophosoma simulans* (Carl, 1935) - Jeekel, 1980
- Subfam. Paradoxosomatinae
- Tribe Tectoporini  
*Helicorthomorpha holstii* (Pocock, 1895) - Wang, 1955, Jeekel, 1980,  
 Golovatch, 1981  
 = *Chinosoma hodites* Chamberlin, 1923  
 = *Kochliopus trivittatus* Verhoeff, 1933  
*Helicorthomorpha ocellata* (Pocock, 1895) - Jeekel, 1980  
 = *Helicorthomorpha uncinata* (Attems, 1937)  
*Helicorthomorpha orthogona* (Silvestri, 1898) - Jeekel, 1980  
 = *Helicorthomorpha kosingai* (Wang, 1958)
- Tribe Sulciferini  
*Orthomorpha coarctata* Saussure, 1860 - Wang, 1956, 1957  
*Oxidus gracilis* C.L.Koch, 1847 - Pocock, 1895, Wang, 1955,  
 Wang & Zhang, 1993  
*Hedinomorpha hummeli* Verhoeff, 1933  
*Hedinomorpha hummeli svenhedini* Verhoeff, 1933  
*Hedinomorpha biranipedicula* Zhang & Tang, 1985  
*Kronopolites swinhoei* (Pocock, 1895) - Hoffman, 1963  
 = *Kronopolites svenhedini* Verhoeff, 1933 - Zhang & Li, 1978  
 = *Kronopolites formosanus* (Verhoeff, 1939)  
 = *Kronopolites ralphi* Wang, 1957  
*Kronopolites acuminatus biagrilectus* Hoffman, 1963

- Mandarinopus gracilipes* Verhoeff, 1933  
*Polylobosoma roseipes* (Pocock, 1895) - Jeekel, 1980  
 = *Orthomorpha penicillata* Attems, 1931  
*Sichotanus mandschuricus* Golovatch, 1978  
*Sigipinius grahami* Hoffman, 1961  
 "Orthomorpha" (unnamed genus!) *nordenskoeldi* Attems, 1909 -  
 Wang, 1955, 1964  
 "Orthomorpha" (unnamed genus) *corticina* Attems, 1936  
 Tribe Chamberlinini  
*Chamberlinius pekuensis* (Karsch, 1881) - Wang, 1955, Golovatch, 1981  
 = *Oxidus corcifera* Verhoeff, 1931 - Wang, 1957  
 = *Orthomorpha affinis* Verhoeff, 1936 - Takashima, 1939  
*Chamberlinius haulienensis* Wang, 1956 - Hoffman, 1973  
*Chamberlinius shengmui* Wang, 1957 - Hoffman, 1973  
*Chamberlinius picrofasciatus* (Gressitt, 1941) - Hoffman, 1973  
 Tribe Hylomini  
*Desmoxytes planata* (Pocock, 1895) = *D. rastrituberus* (Zhang, 1986)  
*Desmoxytes draco* (Cook & Loomis, 1924)  
*Desmoxytes piceofasciata* (Gressitt, 1941)  
*Desmoxytes longispina* (Loksa, 1960)  
*Desmoxytes cornuta* (Zhang & Li, 1982)  
*Desmoxytes minutubercula* (Zhang, 1986)  
 Tribe Tonkinosomatini  
*Aponedyopus montanus* Verhoeff, 1939 - Takakuwa, 1942, Wang, 1964  
*Aponedyopus reesi* (Wang, 1957)  
*Aponedyopus jeanae* (Wang, 1957)  
*Aponedyopus maculatus* Takakuwa, 1942  
*Szechuanella tenebra* Hoffman, 1961  
 Tribe Nedyopodini :  
*Nedyopus patrioticus* (Attems, 1898) - Wang, 1955, 1964  
*Varyomorpha hsientienensis* Wang, 1957  
*Varyomorpha pectinata* Wang, 1957  
 Paradoxosomatidae incertae sedis  
*Orthomorpha bisulcata* Pocock, 1895 - Wang, 1957  
*Orthomorpha flavomarginata* Gressitt, 1941  
*Gonebelus sinensis* Attems, 1936  
*Strongylosoma nadari* Brölemann, 1896  
*Orthomorpha endeusa* Attems, 1898  
*Orthomorpha circularis* Takakuwa in Takakuwa & Takashima, 1949  
 Suborder Polydesmidea  
 Superfam. Polydesmoidea  
 Fam. Polydesmidae  
*Polydesmus liber* Golovatch, 1991  
*Pacidesmus sinensis* (Golovatch & Hoffman, 1989) - Golovatch, 1991  
 = *Polydesmus hamatus* Loksa, 1960  
*Epanerchodus potanini* Golovatch, 1991  
*Epanerchodus shirinensis* (Chamberlin & Wang, 1953)  
*Epanerchodus stylum* Chen & Zhang, 1990  
*Epanerchodus sphaerisetosus* Zhang & Chen, 1983  
*Epanerchodus eurycornutus* (Zhang, 1992)  
*Epanerchodus takakuwai* Verhoeff, 1931 - Wang, 1958  
*Epanerchodus orientalis* Attems, 1901 - Wang, 1956, 1964  
 Fam. Doratodesmidae  
*Eutrichodesmus arcicollaris* Zhang & Wang, 1993  
*Crenatidorsus grandifolius* Zhang & Wang, 1993  
*Pocillidorsus dorsiangulatus* Zhang & Wang, 1993  
*Parapauropus monodentus* Zhang & Wang, 1993  
 Fam. Haplodesmidae  
*Prosopodesmus jacobsoni* Silvestri, 1910, Wang, 1964  
 Fam. Cryptodesmidae  
*Niponia nodulosa* Verhoeff, 1931 - Wang, 1955, 1964

- Niponia simplex* (Wang, 1957)
- Superfam. Stylodesmoidea  
 Fam. Pyrgodesmidae  
*Cryptocorypha spinicoronatus* Zhang & Li, 1981  
*Delurodesmus orientalis* Silvestri, 1948  
*Theledesmus armatus* Miyoshi, 1951 - Wang, 1958
- Suborder Chelodesmoidea  
 Superfam. Xystodesmoidea  
 Fam. Xystodesmidae  
 Tribe Orophini  
*Kiulinga jeekeli* Hoffman, 1956  
*Kiulinga lobosa* Zhang & Mao, 1984  
*Pamelaphe lacustris* (Pocock, 1895) - Hoffman, 1964  
 Tribe Harpaphini  
*Riukiaria taiwanalis* (Takakuwa, 1942)  
*Riukiaria uraensis* (Wang, 1956)  
*Riukiaria holstii* (Pocock, 1895) - Wang, 1964  
*Riukiaria neptuna* (Pocock, 1895) - Wang, 1964  
*Riukiaria variata* (Pocock, 1895) - Wang, 1964  
*Riukiaria capaca* Wang & Zhang, 1993  
*Riukiaria ochraceus* (Gressitt, 1941)  
*Riukiaria taiwanus* (Takakuwa, 1942) - Chamberlin & Wang, 1953  
*Rhysodesmus* (?) *cohaesivus* Wang, 1957  
*Rhysodesmus* (?) *contiguus* Wang, 1957  
*Pachydesmus* (?) *attemsi* Wang, 1960
- Polydesmida incertae sedis  
*Polydesmus moorei* Pocock, 1895  
*Polydesmus paludicola* Pocock, 1895

### Class CHILOPODA

#### Subclass Epimorpha

##### Order Geophilomorpha

- Fam. Himantariidae  
*Stigmatogaster japonica* Takakuwa, 1935
- Fam. Schendylidae  
 Subfam. Schendylinae  
*Escaryus latzeli* Sselivanoff, 1881 - Attems, 1927  
*Escaryus japonicus* Attems, 1927 - Takakuwa & Takashima, 1949, Wang, 1957  
*Escaryus sachalinus* Takakuwa, 1935 - Takakuwa & Takashima, 1949
- Subfam. Ballophilinae  
*Ballophilus liber* Chamberlin, 1952  
*Thalthybius boteltoboensis* Wang, 1955
- Fam. Oryidae  
*Orphnaeus brevilabiatu*s Newport, 1845 - Pocock, 1895, Wang, 1955
- Fam. Geophilidae  
 Subfam. Geophilinae  
*Geophilus infossulatus* Attems, 1901  
*Pleurogeophilus takakuwai* Verhoeff, 1934
- Subfam. Dignathodontinae  
*Paraplanes svenhedini* Verhoeff, 1933  
*Scolioplanes transsilvanicum* (Verhoeff, 1928) - Wang, 1959  
*Scolioplanes maritimus japonicus* (Verhoeff, 1935) - Wang, 1959
- Subfam. Pachymerinae  
*Pachymerium ferrugineum* C.L. Koch, 1847 - Takakuwa, 1938, Wang, 1956,  
 Takakuwa & Takashima, 1949  
*Pachymerium atticum* Verhoeff, 1901 - Takakuwa & Takashima, 1949
- Fam. Mecistocephalidae  
 Subfam. Mecistocephalinae  
*Formosocephalus longichilatus* Takakuwa, 1937  
*Mecistocephalus rubriceps* Wood, 1862 - Wang, 1956, 1959  
*Mecistocephalus mikado* Attems, 1928 - Takakuwa, 1938, Wang, 1956



- Mecistocephalus brevisternalis* Takakuwa, 1934  
*Mecistocephalus fenestratus* Verhoeff, 1934  
*Mecistocephalus takakuwai* Verhoeff, 1934  
*Mecistocephalus ongi* Takakuwa, 1934  
*Mecistocephalus multidentatus* Takakuwa, 1936  
*Mecistocephalus japonicus* Meinert, 1870 - Wang, 1963  
*Mecistocephalus nannocornis* Chamberlin, 1920 - Wang, 1957  
*Mecistocephalus diversisternus* Silvestri, 1919 - Wang, 1957  
*Mecistocephalus punctifrons* Newport, 1845 - Wang, 1963  
*Mecistocephalus smithi* Pocock, 1895 - Chamberlin & Wang, 1952 - Wang, 1955  
*Mecistocephalus mirandus* Pocock, 1895  
*Mecistocephalus insularis* (Lucas, 1863) - Attems, 1929, Wang, 1956, 1959  
*Mecistocephalus insulomontanus* Gressitt, 1941  
*Mecistocephalus monticolens* Chamberlin, 1920 - Wang, 1956  
*Nodocephalus dooi* Takakuwa, 1940 - Wang, 1959  
*Nodocephalus edentulus* Attems, 1910 - Wang, 1956, 1963  
*Nodocephalus pauporus* Takakuwa, 1936  
*Taiwanella striata* Takakuwa in Takakuwa & Takashima, 1949  
*Taiwanella sculptulatus* Takakuwa, 1936  
*Taiwanella yanagiharai* Takakuwa, 1936  
*Tygarrup javanicus* Attems, 1907 - Chamberlin & Wang, 1952
- Subfam. Arrupinae
- Prolamnonyx holstii* (Pocock, 1895) - Takakuwa & Takashima, 1949  
 = *Mecistocephalus indecorus* Attems, 1901  
*Prolamnonyx sauteri* Silvestri, 1919
- Order Scolopendromorpha
- Fam. Scolopendridae
- Subfam. Scolopendrinae
- Scolopendra calcarata* Porat, 1876  
*Scolopendra cingulata* Latreille, 1829 - Haase, 1887  
*Scolopendra mazbii* Gravely, 1912 - Zhang & Li, 1983  
*Scolopendra morsitans* L. - Pocock, 1895, Wang, 1955, 1956  
*Scolopendra mutilans* L. Koch 1878 - Pocock, 1895, Brölemann, 1896,  
 Takakuwa, 1938, Wang, 1955  
*Scolopendra multidentans* Newport, 1845 - Haase, 1887, Wang, 1955, 1956  
*Scolopendra rapax* Gervais, 1847  
*Scolopendra rugosa* Meinert, 1886  
*Scolopendra subspinipes* Leach, 1817 - Pocock, 1895, Wang, 1955 & auct...  
 = *Scolopendra septemspinosa* Brandt, 1841 - Newport, 1845  
*Scolopendra subspinipes dehaani* Brandt, 1840 - Pocock, 1895,  
 Wang, 1955, 1956  
*Scolopendra subspinipes japonica* L. Koch 1878 - Pocock, 1895, Wang, 1955  
*Trachycormocephalus koreanus* Verhoff, 1934 - Takakuwa, 1938
- Subfam. Otostigminae
- Otostigmus aculeatus* Haase 1887 - Pocock, 1895, Wang, 1955, 1956  
*Otostigmus insularis* (Haase, 1887) - Wang, 1959  
*Otostigmus malayanus* (Chamberlin, 1922) - Wang, 1959  
*Otostigmus scaber* (= *carinatus*) Porat, 1876  
 Pocock, 1895, Brölemann, 1896, Chamberlin & Wang, 1952,  
 Wang, 1955, 1956  
*Otostigmus politus* Karsch, 1881 - Attems, 1901  
*Otostigmus politus mandshurius* Verhoeff, 1942  
*Otostigmus politus pigmentatus* Attems, 1930 - Wang, 1955  
*Otostigmus striatus* Takakuwa, 1940  
*Otostigmus striatus porteri* Dobroruka, 1960  
*Otostigmus multispinosus* Takakuwa, 1937  
*Otostigmus astenus* (Kohlrausch, 1881) - Wang, 1955  
*Otostigmus frigidus* Verhoeff, 1942  
*Otostigmus frigidus takakuwai* Verhoeff, 1942  
*Rhysida mandchurica* Miyoshi, 1939  
*Rhysida nuda nuda* Newport, 1845 - Wang, 1959

*Rhysida nuda brevicornuta* Wang, 1951 - Wang, 1957  
*Rhysida nuda immarginata* (Porat, 1876) - Wang, 1955, 1957  
*Rhysida longipes* (Newport, 1845) - Wang, 1956  
*Rhysida longipes brevicornis* Takakuwa, 1934 - Takakuwa, 1938 et Wang, 1957  
*Rhysida yanagiharai* Takakuwa, 1935  
*Rhysida lithobioides* (Newport, 1845)

## Fam. Cryptopsidae

## Subfam. Cryptopsinae

*Cryptops nigropictus* Takakuwa, 1936 - Takakuwa, 1938, Wang, 1956  
*Cryptops japonicus* Takakuwa, 1934 - Chamberlin & Wang, 1952,  
 Takakuwa, 1938  
*Mimops orientalis* Kraepelin, 1903

## Subfam. Scolopocryptopsinae

*Scolopocryptops brolemanni* Kraepelin, 1903  
*Otocryptops rubiginosa* L.Koch, 1878 = *O. confucii* Karsch, 1884  
*Otocryptops sexspinosus* Say, 1821 - Pocock, 1895, Attems, 1930

## Subclass Epimorpha

## Order Lithobiomorpha

## Fam. Lithobiidae

## Subfam. Lithobiinae

*Arebius chengsiensis* Chamberlin & Wang, 1952  
*Arebius bidens* Takakuwa, 1941 - Wang, 1952  
*Chinobius chekianus* Chamberlin & Wang, 1952  
*Chinobius chekianus tumeopes* Chamberlin & Wang, 1952 - Wang, 1955, 1956....  
*Chinobius svenhedini* (Verhoeff, 1933)  
*Chinobius sachalinus* Verhoeff, 1937 - Wang, 1956, 1959  
*Chinobius (?) pachypedatus* Takakuwa, 1938 - Wang, 1954  
*Lithobius hummeli* (Verhoeff, 1933)  
*Lithobius bidivisa* Takakuwa, 1939 - Wang, 1963  
*Lithobius kiayiensis* Wang, 1959  
*Lithobius ongi* Takakuwa, 1941 - Wang, 1959  
*Lithobius trichopus* Takakuwa, 1939 - Wang, 1955, 1959  
*Lithobius tetrophthalmus* Loksa, 1960  
*Lithobius aeruginosus mongolicus* Attems, 1901  
*Lithobius decessus* Attems, 1901  
*Lithobius jangsteanus* Verhoeff, 1942 - Loksa, 1965  
*Lithobius kansuanus* Verhoeff, 1933  
*Lithobius mongolicus* Verhoeff, 1933  
*Lithobius erratus* Attems, 1938  
 = *Chinobius (?) sulcipes* Attems, 1934 - Wang, 1959  
*Lithobius bogdoulensis* Loksa, 1965  
*Lithobius anornatus* Loksa, 1965  
*Lithobius mongolellus* Loksa, 1965  
*Lithobius mongolomediis* Loksa, 1965  
*Lithobius sulcifemoralis* Takakuwa in Takakuwa & Takashima, 1949  
*Lithobius gantoensis* Takakuwa in Takakuwa & Takashima, 1949  
*Lithobius irregularis* Takakuwa in Takakuwa & Takashima, 1949  
*Lithobius rufus* Muralevitch, 1929 - Loksa, 1965  
*Monotarsobius crassipes* L. Koch, 1862 - Wang, 1963  
*Monotarsobius crassipes holstii* (Pocock, 1895) - Wang, 1959  
*Monotarsobius rhytus* (Attems, 1934) - Chamberlin & Wang, 1952  
*Monotarsobius argaensis* (Attems, 1905) - Chamberlin & Wang, 1952  
*Monotarsobius obtusus* Takakuwa, 1941 - Wang, 1955, 1956  
*Monotarsobius ramulosus* Takakuwa, 1941 - Wang, 1955, 1956  
*Monotarsobius alticus* Loksa, 1965  
*Monotarsobius crassus* Loksa, 1965  
*Monotarsobius kaszabi* Loksa, 1965

## Subfam. Ethopetolidae (=Polybothridae)

*Bothropolys asperatus* L.Koch, 1878 - Chamberlin & Wang, 1952,  
 Takakuwa, 1938, Wang, 1956  
 = *Lithobius tethidis* Karsch, 1880

- = *Lithobius asperatus* L. Koch, 1878 - Pocock, 1895  
 = *Lithobius rugosus* Meinert, 1872 - Attems, 1901  
*Bothropolys crassidentatus* Takakuwa in Takakuwa & Takashima, 1949  
*Bothropolys imaharensis* (Verhoeff, 1937)  
 Takakuwa, 1938, Chamberlin & Wang, 1952, Wang, 1959  
*Bothropolys richthofeni* Verhoeff, 1938 - Takakuwa & Takashima, 1949  
*Bothropolys shansiensis* Takakuwa in Takakuwa & Takashima, 1949
- Fam. Henicopidae  
*Alaskobius takakuwai* Chamberlin & Wang, 1952  
*Esastigmatobius longicornis* (Takakuwa, 1936) - Wang, 1959  
*Esastigmatobius longitarsis* Verhoeff, 1934 - Wang, 1959  
*Hedinobius hummeli* Verhoeff, 1933  
*Lamyctes gracilipes* Takakuwa, 1941 - Wang, 1957
- Fam. Pterygotergidae  
*Pterygotergum svenhedini* Verhoeff, 1933
- Order Scutigeroforma  
 Fam. Scutigeridae  
*Scutigera coleoptrata* L. - Wang, 1959  
*Scutigera sinuata* Haase, 1887  
*Scutigera complanata* Haase, 1887  
*Scutigera hispida* Haase, 1887 - Attems, 1901  
*Thereuopoda clunifera* Wood, 1862  
 = *Scutigera longicornis clunifera* (Wood, 1862) - Pocock, 1895,  
 Chamberlin & Wang, 1952 - Wang, 1955, 1956  
 = *Scutigera sinensis* Meinert, 1886  
*Thereuopoda nivicomis* Verhoeff, 1942  
*Thereuonema tuberculata* Wood, 1862 - Pocock, 1895  
*Thereuonema variata* Miyoshi, 1939  
*Thereuonema mandschuria* Verhoeff, 1936 - Chamberlin & Wang, 1952,  
 Takakuwa, 1938  
*Thereuonema dilatationis* Verhoeff, 1936 - Takakuwa & Takashima, 1949  
*Thereuonema hilgendorfi* Verhoeff, 1905 - Chamberlin & Wang, 1952,  
 Takakuwa, 1938  
*Thereuonema viridescens* Verhoeff, 1937 - Chamberlin & Wang, 1952

## Class PAUROPODA

## Ectomorphes

## Fam. Pauropodidae

- Allopauropus ovalapendicis* Zhang & Chen, 1988  
*Allopauropus pilosisphaerus* Zhang & Chen, 1988  
*Pauropus bifurcus* Zhang & Chen, 1988  
*Pauropus longiramus* Zhang & Chen, 1988

## Fam. Polypauropidae

- Fagepauropus hesperius* Remy, 1951 - Chalupsky, 1972

## Endomorphes

## Fam. Eurypauropodidae

## Subfam. Eurypauropodinae

- Eurypauropus* sp. Zhang & Chen, 1988

## Subfam. Sphaeropauropinae

- Sphaeropauropus* sp. Zhang & Chen, 1988

## Class SYMPHYLA

## Fam. Geophilellidae

- Geophilella pyrenaica* Ribaut, 1913 - Takashima, 1939

## Fam. Scutigereidae

- Scutigereella immaculata* (Newport, 1845) - Wang, 1957

## COLLECTING LOCALITIES

Figure 1 shows approximatively the locations of sites in China where myriapods have been collected, during the modern period. In some cases, one single symbol represents several nearby localities. It is obvious that most of the sampling efforts have been concentrated in the south of China. The map unfortunately does not show the intensity of collecting; how many species are known from a given locality? This information cannot be provided until all of the groups of the specimens in the Institute of Zoology of Academia Sinica have been worked out in detail. The collection was mainly taken by LI Zhi-Yin and WANG Daqing from 1969 to 1992 in China.



FIG. 1. — Localities in China at which myriapods have been collected. Some closely adjacent sites are represented by single symbols. Due to lack of available material, the geographic coordinates are not given for the following localities. Undoubtedly, some omissions have occurred because a few places could not be located exactly, particularly when the localities are small villages: Diao Luo Mountain, Hainan Island - Fuzhou, (vicinity of the city), Fujian province - Yiang shou, a region of the city Gui Lin, Guangxi province - Tian cun, Guangxi province - Mengman, Yunnan province - Luxi, Yunnan province - Jinhua, Zhejiang province - Hong Kang - Jilong, Taiwan - Zhangjakou, Hebei province - Beijing, (vicinity of the city) - Tanmo Mountain, Zhejiang province - Daishan, Zhejiang province - Lanzhou (vicinity), Gansu province - Tai Bai Mountain, Shanxi province - Kunming, Yunnan province - Guanlin (in the caves), Gueizhou province - Hangzhou, Zhejiang province - Chayu, Tibet - Shenyang (vicinity), Liaoning province - Muotuo, Tibet - Chang Bai Mountain, Jilin province - Ningbo, Zhejiang province - Putuo, Zhejiang province - Changsha (vicinity), Hunan province - Yulushan, a hill of Changsha vicinity - Mengla, Yunnan province - Hekou, Yunnan province - Xichou, Yunnan province - Mengzi, Yunnan province - Zhongdian, Yunnan province - Deqin, Tibet - Yiajiang, Sichuan province - Batang, Sichuan province - Taigu, Shanxi province - Zhousha Islands, Zhejiang province - Jiangle, Mt. longxi, Fujian province - Taibei, Taiwan - Taizhong, Taiwan - Pingdong, Taiwan - Zhangjiajie, National Forest Park, Hunan province - Sangzhi, Hunan province - Huhehot, Inner Mongolia - Tianjin (vicinity), Hebei province.

## REFERENCES

The aim of the following list of references is to compile all the papers that have been published concerning Chinese myriapodology, including those in which were described taxa previously found out of China (\*) and some ones of general interest (\*\*). Any omissions which may be discovered will be added in future works.

- ATTEMS, C., 1898. — System der Polydesmiden I. Denks. *Math.-naturwiss. Kais. Akad. Wiss.*, Wien : 221-482.
- ATTEMS, C., 1901. — Myriopoden. In : *Dritte Asiatische Forschungsreise des Grafen Eugen Zichy*, Bd. 2, Horvath : 275-310.
- \*ATTEMS, C., 1901. — Neue Polydesmiden des Hamburger-Museums. *Mitt. Naturhist. Mus.*, **18** : 85-105
- \*ATTEMS, C., 1904. — Central-und hoch-asiatische Myriopoden gesammelt im Jahre 1900 von Dr von Almassy und Dr. von Stummer. *Zool. Jahrb., Syst.*, **20** : 113-130
- \*ATTEMS, C., 1905. — Myriopoden in Ergebnisse einer naturwissenschaftlichen Reise zum Erschias-Dagh (Kleinasien). *Ann. k.k. Naturh. Hofmuseums*, **20** : 1-5
- \*ATTEMS, C., 1907. — Japanische Myriopoden gesammelt von Direktor Dr K. Kraepelin im Jahre 1903. *Mitt. Naturh. Mus.*, **24** : 77-142.
- \*ATTEMS, C., 1909. — Die Myriopoden der Vega-Expedition. *Arkiv f. Zool.*, **5** : 1-84.
- ATTEMS, C., 1927. — 2. Neue Chilopoden. *Zool. Anz.*, **72** : 291-305.
- \*ATTEMS, C., 1928. — Eine neue Gattung und eine neue Art der Mecistocephalidae (Chilopoden). *Zool. Anz.*, **75** : 115-120.
- ATTEMS, C., 1929. — Myriapoda I. Geophilomorpha. In : F. E. SCHULZE & W. KÜKENTHAL, *Das Tierreich*, **52**. Berlin & Leipzig, W. De Gruyter & C<sup>o</sup> : 1-388.
- ATTEMS, C., 1930. — Myriapoda 2. Scolopendromorpha In : F. E. SCHULZE & W. KÜKENTHAL, *Das Tierreich*, **54**, Berlin & Leipzig, W. De Gruyter & C<sup>o</sup> : 1-308.
- ATTEMS, C., 1931. — Die Familie Leptodesmidae und andere Polydesmiden. *Zoologica*, **30** : 1-150.
- ATTEMS, C., 1934. — Einige neue Geophiliden und Lithobiiden des Hamburger Museums. *Zool. Anz.*, **107** : 310-317.
- ATTEMS, C., 1935. — Myriopoden von Sumatra. *Arch. Hydrobiol.*, **suppl. 14** : 114-142.
- ATTEMS, C., 1936. — Diplopoda of India. *Mem. Indian Mus.*, **11**, 4 : 133-323.
- ATTEMS, C., 1937. — Myriapoda 3. Polydesmoidea. I. Fam. Strongylosomidae. In : F. E. SCHULZE, W. KÜKENTHAL & K. HEIDER, *Das Tierreich*, **68**, Berlin & Leipzig, W. de Gruyter & C<sup>o</sup> : 1-300.
- ATTEMS, C., 1938. — Die von Dr. G. Dawydoff in französisch Indochina gesammelten Myriopoden. *Mém. Mus. natn. Hist. nat.*, **6** : 187-353.
- ATTEMS, C., 1953. — Myriopoden von Indochina Expedition von C. Dawydoff (1938-1939). *Mém. Mus. natn. Hist. nat.*, **A5** : 133-230.
- \*BRANDT, J. F., 1840. — Observations sur les espèces qui composent le genre *Scolopendra* suivies de caractères des espèces qui se trouvent dans le Muséum Zoologique de l'Académie des Sciences de Saint-Petersbourg et quelques coups d'œil sur leur distribution géographique. *Bull. Sci. Acad. Saint-Petersbourg*, **7**.
- BRÖLEMANN, H. W., 1896. — Sur quelques Myriopodes de Chine. *Mém. Soc. zool. France.* : 349-362.
- CAUSEY, N. B., 1966. — Redescription of two Chinese species of *Anaulaciulus* (Diplopoda, Julida, Nemasomatidae) a genus known also in Taiwan, Korea and Japan. *Proc. Louis. Acad. Sci.*, **29** : 63-66.
- CHALUPSKY, J., 1972. — A new find of the genus *Fagepauropus* (Pauropoda). *Vestník Cesk. Společn. Zool.*, **2** : 89-92.
- \*CHAMBERLIN, R. V., 1914. — Notes on Chilopods from the East Indies. *Entom. News Philadelphia*, **25** : 385-392.
- \*CHAMBERLIN, R. V., 1920. — On the Chilopods of the family Mecistocephalidae. *Canad. Entom.*, **52** : 184-189
- CHAMBERLIN, R. V., 1923. — Two Diplopod immigrant taken at Honolulu. *Proc. Biol. Soc. Washington*, **36** : 165-168.
- CHAMBERLIN, R. V., 1952. — Geophiloid Chilopods of the Hawaiian and other Oceanic islands of the Pacific. *Gr. Basin Nat.*, **13** : 75-85
- CHAMBERLIN, R. V. & WANG, Y. M., 1952. — Some records and descriptions of Chilopods from Japan and other oriental areas. *Proc. Biol. Soc. Wash.*, **65** : 177-186.
- CHAMBERLIN, R. V. & WANG, Y. M., 1953. — Records of Millipeds from Japan and other oriental areas, with description of new genera and species. *Amer. Mus. Novitates*, **1621** : 1-13.
- CHANG, N. G. & ZHANG, C. Z., 1989. — A contribution to knowledge of the genus *Yunnanina* and a new species in Yunnan province (Diplopoda Paradoxosomatidae). *Acta Zootaxonomica Sinica*, **14** : 415-419.
- CHEN, J. X. & ZHANG, C. Z., 1990. — A cave-dwelling new species of the Diplopod genus *Epanerchodus* from Guizhou province. *Acta Zootaxonomica Sinica*, **15** : 407-409.

- CHEN, J. X. & MENG, W. X., 1991. — A new species of the genus *Glyphiulus* (Diplopoda, Spirostreptida, Cambalopsidae). *Acta Zootaxonomica Sinica*, **16** : 394-395.
- CHIA, L. P. & LIU, H. T., 1951. — Fossil Myriapods from Choukoutien. *Bull. Geol. Soc. China*, **30** : 23-27.
- COOK, O. F. & LOOMIS, H. F., 1924. — A new family of spined Millipeds from Central China. *J. Wash. Acad. Sci.*, **14** : 103-108.
- DEMANGE, J. M., 1962. — Matériaux pour servir à une révision des Harpagophoridae (Myriapodes-Diplopedes). *Mém. Mus. natn. Hist. nat., sér. A, Zool.*, **24**, (1961) : 1-274.
- DOBRORUKA, L. J., 1960. — A new formosan Centipede: *Otostigmus striatus porteri* n.sp. *Ann. Mag. Nat. Hist.*, **13** : 61-62.
- DOBRORUKA, L. J., 1960. — Ueber eine kleine Chilopoden-Ausbeute aus der Mongolei. *Acta Arachnologica*, **17** : 15-18.
- ENGHOFF, H., 1985. — The millipede family Nemasomatidae. With the description of a new genus and a revision of *Orinisobates* (Diplopoda: Julida). *Ent. Scand.*, **16** : 27-67.
- ENGHOFF, H., 1987. — *Karteroiulus niger* Attems, 1909, in China (Diplopoda, Julida, Paraiulidae). *Entom. Monthly Mag.*, **123** : 207-208.
- ENGHOFF, H., 1987. — Revision of *Nepalmatoiulus* Mauriès 1983, a southeast Asiatic genus of Millipedes (Diplopoda: Julida: Julidae). *Courier Forsch.-Inst. Senckenberg*, **93** : 241-331.
- GOLOVATCH, S. I., 1978. — Some east-asiatic Millipedes (Diplopoda) in collection of the Zoological Institut of the Academy of Sciences of USSR. *Rev. Entom.*, USSR, **3** : 677-681.
- GOLOVATCH, S. I., 1981. — Some East-asiatic millipedes (Diplopoda) in the collection of the Institute of Zoology of the Polish Academy of Sciences. *Ann. Zool.*, **36** : 161-168.
- GOLOVATCH, S. I., 1991. — The millipede family Polydesmidae in southern Asia, with notes on phylogeny (Diplopoda: Polydesmida). *Steenstrupia*, **17** : 141-159.
- GOLOVATCH, S. I. & HOFFMAN R. L., 1989. — Identity of *Polydesmus hamatus* Brandt, 1841, a Malagasy milliped (Diplopoda, Polydesmida, Dalodesmidae). *Tropical Zool.*, **2** : 159-164.
- GERVAIS, P., In WALCKENAER, 1847. — *Histoire Naturelle des insectes aptères T.4. Myriapodes. Nouvelles suites à Buffon*, Paris, Librairie Encyclopédique : 1-333.
- GRAVELY, F. H., 1912. — Two new species of Scolopendridae. *Rec. Indian Mus.*, **7** : 415-417.
- GRESSITT, J. L., 1941. — New Myriapods from Formosa and Hainan Islands. *Ann. Mag. Nat. Hist.*, **11** : 55-61.
- HAASE, E., 1887. — Die indo-australische Myriopoden. I. Chilopoden. *Abh. Ber. K. Zool. Anthropol. Mus. Dresden*, **1886-1887** : 1-118.
- HOFFMAN, R. L., 1956. — Studies on some oriental xystodesmine millipeds. *Proc. Ent. Soc. Wash.*, **58** : 95-104.
- HOFFMAN, R. L., 1961. — Two new Diplopod genera from western China (Polydesmida, Strongylosomidae). *Ann. Mag. Nat. Hist.*, 1960, ser. 13, **3** : 533-543.
- HOFFMAN, R. L., 1963. — A contribution to the knowledge of asiatic Strongylosomoid Diplopoda (Polydesmida, Strongylosomidae). *Ann. Mag. Nat. Hist.*, 1962, ser. 13, **5** : 577-593.
- HOFFMAN, R. L., 1964. — A new subfamily of Xystodesmid Millipedes from North America and China (Polydesmida). *Trans. Amer. Ent. Soc.*, **90** : 301-311.
- HOFFMAN, R. L., 1966. — The ordinal position of the generic name *Sinostemmiulus* Chamberlin & Wang, 1953. *Proc. Ent. Soc. Wash.*, **68** : 322-325.
- HOFFMAN, R. L., 1973. — Descriptions and allocation of new or poorly known genera and species of Paradoxosomatidae from south-eastern Asia (Diplopoda: Polydesmida). *J. Nat. Hist.*, **7** : 361-389.
- \*\*HOFFMAN, R. L., 1980. — *Classification of the Diplopoda*. Genève, Muséum d'Histoire Naturelle (1979) : 238 pp.
- HOFFMAN, R. L., 1980. — Studies on Spirostreptoid millipeds. XV. On some new or poorly known Harpagophorid genera and species from China and the East Indies. *J. Nat. Hist.*, **14** : 589-596.
- ISHII, K., 1990. — Penicillate Diplopods (Diplopoda: Polyxenida) from Taiwan. *Edaphologia*, **42** : 1-20.
- ISHII, K. & LIANG L., 1990. — Two new species of Penicillate Diplopods of the family Polyxenidae from China. *Cand. Entom.*, **122** : 1239-1246.
- JEEKEL C. A. W., 1968. — *On the classification and geographic distribution of the family Paradoxosomatidae (Diplopoda, Polydesmida)*. Amsterdam : 1-162.
- \*\*JEEKEL C. A. W., 1971. — Nomenclator generum et familiarum Diplopodorum. *Monogr. Nederl. Entom. Ver.*, Amsterdam, **5** : I-XII, 1-412.
- JEEKEL C. A. W., 1980. — The generic allocation of some little-known Paradoxosomatidae from South-East Asia (Diplopoda, Polydesmida). *Rev. Suisse Zool.*, **87** : 651-670.
- KARSCH, F., 1880. — Ein neuer *Lithobius*. *Zeitschr. f. Ges. Naturwiss.*, **53** : 848.

- KARSCH, F., 1881. — Zur Studium der Myriapoda Polydesmida I. Diagnosen neuer Polydesmiden des Berliner Museum. *Archiv f. Naturges.*, **47** : 36-43.
- KARSCH, F., 1881. — Neue Juliden des Berliner Museums, als Prodrömus einer Juliden-Monographie. *Zeitschr. f. Ges. Naturwiss.*, **54** : 1-79.
- KARSCH, F., 1884. — Classis Myriapoda. In : Ueber einige neue und minder bekannte Arthropoden des Bremer Museums. *Abh. Ver. Bremen*, **9** : 65-67.
- KEETON, W. T., 1960. — A taxonomic study of the milliped family Spirobolidae (Diplopoda, Spirobolida). *Mem. Amer. Entom. Soc.*, **17** : 1-146.
- \*KOCH, C. L., 1847. — *System der Myriapoden III*. Regensburg.
- \*KOCH, L., 1862. — Die Myriapodengattung *Lithobius*. Nürnberg : 1-92.
- KOCH, L., 1878. — Japanesische Arachniden und Myriapoden. *Verh. d. k. k. Zool. Bot. Ges. Wien*, 1877, **27** : 735-798.
- \*KOHLRAUSCH, E., 1881. — Gattungen und Arten der Scolopendriden. *Arch. F. Naturges.*, **47** : 50-132.
- KRAEPELIN, K., 1903. — Revision der Scolopendriden. *Mitt. Naturh. Mus. Hamburg*, **20** : 1-276.
- \*LEACH, W. E., 1817. — A tabular view of the external characters of four classes of animals, which Linné arranged under insecta; with the distribution of the genera composing three of the Classes into Orders, and description of several new genera and species. *Trans. Linn. Soc. London*, **11**, (1814) : 306-400.
- LI, Z. Y. & ZHANG, C. Z., 1980. — The individual development of *Scolopendra subspinipes mutilans* (Scolopendrida, Chilopoda). *Chinese J. Zool.*, **15** : 17-19.
- LI, Z. Y. & ZHANG, C. Z., 1982. — Experimental studies on the increase in the breeding rate of *Scolopendra subspinipes mutilans* by use of the artificial nest. *Chinese J. Zool.*, **17** : 27-30.
- LI, Z. Y., 1984. — The species of medicinal centipeds and the selection of their breeding. *Chinese J. Zool.*, **19** : 12-15.
- LIN, P. S. & DOUY, L. H., 1988. — The toxicological experiment of toxin taken from *Scolopendra mutilans*. *Chinese J. Zool.*, **23** : 20-21.
- LOKSA, I., 1960. — Einige neue Diplopoden und Chilopoden-Arten aus Chinesischen Höhlen. *Acta Zool. Hungar.*, **6** : 135-148.
- LOKSA, I., 1965. — Zoologische Ergebnisse der Forschungen von Dr Z. Kaszab in der Mongolei. 21. Chilopoda. *Opusc. Zool.*, **5** : 199-215.
- LOKSA, I., 1978. — Chilopoden aus der Mongolei (Arthropoda; Tracheata, Chilopoda). *Ann. Hist. Nat. Mus. Nat. Hung.*, **70** : 111-120.
- LOOMIS, H. F., 1942. — *Sinocybe*, a new genus of Colobognath millipeds from China. *J. Wash. Acad. Sci.*, **32** : 270-273.
- \*LUCAS, H., In MAILLARD, 1863. — Myriapodes. In : Note sur l'île de La Réunion.
- MATIC, Z., 1973. — Révision du genre *Chinobius* Verhoeff, avec description de trois espèces nouvelles (Chilopoda, Lithobiida). *Ann. Zool. Pologne*, **30** : 33-47.
- \*MEINERT, F., 1872. — Myriapoda Musaei Hauniensis. *Naturh. Tidsskr.* : 281-344.
- MEINERT, F., 1886. — Myriapoda Musaei Hauniensis. *Vid. Medd. f. d. naturh. Foren. i Kjobenhavn*, (1884) : 100-156.
- MEINERT, F., 1886. — Myriapoda Musaei Cantabrigensis. Part I. Chilopoda. *Proc. Amer. Phil. Soc.*, (1885), **23** : 161-233.
- MIYOSHI, Y., 1939. — Chilopoda. In : *Report of the first Scientific Expedition to Manchoukuo under the leadership of Shigeyasu Tokunaga, June-Oct. 1933*, 5, 1, 14, n°77 : 1-26.
- \*MIYOSHI, Y., 1951. — Beiträge zur Kenntnis japanischer Myriapoden. I. Aufsatz: Ueber eine Gattung von Leptodesmidae. *Zool. Mag. Tokyo*, **60** : 149-150.
- \*MURALEVITCH, V. S., 1929. — Scutigerae et Lithobiidae de la faune du Caucase. *Mém. Soc. Amis Sci. Nat. Moscou*, *Zool.* : 1-120.
- NEWPORT, G., 1845. — XXVIII. Monograph of the class Myriapoda, order Chilopoda; with observations on the general arrangement of the Articulata. *Trans. Linn. Soc. London*, (1844), **19** : 349-438.
- \*NGUYEN DUY - JACQUEMIN, M. & CONDÉ, B., 1982. — Lophoproctides insulaires de l'Océan Pacifique (Diplopodes: Penicillates). *Bull. Mus. natl. Hist. nat.*, Paris, **4** : 95-118.
- POCOCK, R. L., 1895. — Report upon the Chilopoda and Diplopoda obtained by P. W. Bassett-Smith and J. J. Walker during the cruise in the Chinese Seas of H. M. S. Penguin. *Ann. Mag. Nat. Hist.*, **6** : 346-372.
- POCOCK, R. L., 1895. — The Myriapoda of Burma. Pt. IV. Report upon the Polydesmoidea collected by S. L. Fea, M. E. W. Oates and others. Viaggio di Leonardo Fea in Birmania e regione vicine. *Ann. Mus. civ. Stor. nat. Genova*, ser. **2a**, **14**, **34** : 787-834.
- PORAT, C. O., 1876. — Om nagra exotiska Myriopoder. *Sven. Vet. Akad. Handlingar*, **4** : 1-48.

- \*REMY, P., 1951. — Un nouveau type de Pauropode: *Fagepauropus hesperius* n. g., n. sp. du Sud-marocain. *Bull. Mus. natl. Hist. nat., Paris*, 2, **23** : 208-210.
- \*RIBAUT, H., 1913. — Un nouveau genre de la Classe des Symphyles (Myriopodes). *Bull. Soc. Hist. nat. Toulouse*, **14** : 77-84.
- \*SAUSSURE, H. de, 1860. — *Essai d'une Faune des Myriapodes du Mexique. Mémoires pour servir à l'Histoire naturelle du Mexique, des Antilles et des Etats-Unis*. Genève : 1-135.
- \*SAY, E., 1821. — Description of the Myriapoda of the United States. *J. Acad. Nat. Sci. Philad., 1<sup>o</sup> ser.*, **2** : 102-114.
- \*SELIVANOV, A., 1881. — Geophilidae Museja imperatorskoi. *Mém. Acad. Imp. Sci. Saint-Pétersbourg*, **7**.
- SELIVANOV, A., 1881. — Neue Lithobiiden aus Sibirien und Central Asien. *Zool. Anz.*, **4** : 15-17.
- SHEAR, W. A., 1990. — On the Central and East Asian Milliped family Diplomaragnidae (Diplopoda, Chordeumida, Diplomaragnoidea). *Amer. Mus. Novitates*, **2977** : 1-40.
- \*SILVESTRI, F., 1898. — Alcuni nuovi Diplopodi della N. Guinea. *Annali Mus. civ. Stor. nat. G. Doria*, **39** : 441-449.
- \*SILVESTRI, F., 1910. — Descrizioni preliminari di nuovi generi di Diplopodi I. Polydesmoidea. *Zool. Anz.*, **35** : 357-364.
- SILVESTRI, F., 1919. — Contributions to the knowledge of the Chilopoda Geophilomorpha of India. *Records Indian Mus.*, **16** : 45-107.
- SILVESTRI, F., 1948. — Contributo alla conoscenza dei Diplopodi termitofili dell'America meridionale. *Boll. Lab. Entom. agraria Portici*, **8** : 1-32.
- \*TAKAKUWA, Y., 1934a. — Sechs neue Arten der Chilopoden aus Japan. *Trans. Sapporo Nat. Hist. Soc.*, **13** : 398-406.
- TAKAKUWA, Y., 1934b. — Ueber drei neue Arten der Chilopoden aus Formosa und Marschallinseln. *Trans. Nat. Hist. Soc. Formosa*, **24**, n° 132 : 221-225.
- \*TAKAKUWA, Y., 1935a. — Ueber neue Chilopoden aus Japan. *Trans. Nat. Hist. Soc. Formosa*, **25**, n° 145 : 339-342.
- \*TAKAKUWA, Y., 1935b. — [Japanese *Escaryus* (Chilopoda)]. *Dobuts. Zasshi*, **47**, n° 561 : 407-411.
- TAKAKUWA, Y., 1936a. — Eine neue interessante *Mecistocephalus*-Art aus Formosa. *Trans. Nat. Hist. Soc. Formosa*, **26**, n° 152 : 215-216.
- TAKAKUWA, Y., 1936b. — Ueber eine neue Gattung und zwei neue Arten von *Mecistocephalidae* aus Formosa. *Trans. Nat. Hist. Soc. Formosa*, **26**, n° 159 : 435-439.
- TAKAKUWA, Y., 1936c. — Ueber eine neue Subspecies der *Ethmostigmus* aus Marshallinseln und eine neue species der *Nodocephalus* aus Mandchurei. *Trans. Nat. Hist. Soc. Formosa*, **26**, n° 151 : 105-106.
- \*TAKAKUWA, Y., 1937. — *Otostigmus*-Arten aus Japan. *Trans. Nat. Hist. Soc. Formosa*, **27**, n° 164 : 221-225.
- TAKAKUWA, Y., 1938. — Verzeichnis der Japanischen und Mandchureischen Chilopodenarten. *Annot. Zool. jap.*, **17** : 353-359.
- \*TAKAKUWA, Y., 1939. — Über Japanische Lithobius-Arten. *Trans. Sapporo Nat. Hist. Soc.*, **16** : 28-37.
- \*TAKAKUWA, Y., 1940a. — Eine neue *Nodocephalus* Arten (Chilopoda) aus Korea. *Trans. Nat. Hist. Soc. Formosa*, **30**, n° 197-198 : 41-42.
- TAKAKUWA, Y., 1940b. — Eine neue Art von *Otostigmus* (Chilopoda) aus Formosa. *Trans. Nat. Hist. Soc. Formosa*, **30**, n° 200-201 : 209-210.
- TAKAKUWA, Y., 1940c. — Ueber zwei neue *Trigoniulus*-Arten (Diplopoda) aus Taiwan. *Trans. Nat. Hist. Soc. Formosa*, **30**, n° 200-201 : 211-215.
- TAKAKUWA, Y., 1940d. — Weitere *Trigoniulus*-Arten aus Japan (Diplopoda). *Ann. Zool. jap.*, **19** : 283-288.
- TAKAKUWA, Y., 1941. — Ueber einige japanische Lithobiiden. *Trans. Nat. Hist. Soc. Formosa*, **31**, n° 213 : 292-297.
- TAKAKUWA, Y., 1942a. — Ueber weitere japanische *Rhysodesmus*-Arten. *Trans. Nat. Hist. Soc. Formosa*, **32**, n° 224 : 197-203.
- TAKAKUWA, Y., 1942b. — Die Myriapoden von Formosa, Philippinien, u.s.w. *Trans. Nat. Hist. Soc. Formosa*, **32**, n° 231 : 359-367.
- TAKAKUWA, Y., 1942c. — 3 n. sp. of Diplopoda from Japan. *Zool. Mag. Tokyo*, **54** : 237-239. (in japanese).
- \*TAKAKUWA, Y., 1942d. — Zur Kenntnis der japanischen Diplopoden. *Annot. Zool. Jap.*, **21** : 39-47.
- TAKAKUWA, Y., 1943. — Die drei neue Diplopoden aus Taiwan und West-nippon. *Trans. Nat. Hist. Soc. Formosa*, **33**, n° 242-243 : 603-606.
- TAKAKUWA, Y. & TAKASHIMA, H., 1949. — Myriapods collected in Shansi, North China. *Acta Arachnologica*, **9**, n° 314 : 51-69.
- TAKASHIMA, H., 1939. — Diplopoda. In : *Report of the first Scientific Expedition to Manchoukuo under the leadership of Shigeyasu Tokunaga, June-Oct. 1933*, 5, 1, **14**, n° 78 : 1-11.



- TAKASHIMA, H., 1939 — Symphyla. In : *Report of the first Scientific Expedition to Manchoukuo under the leadership of Shigeyasu Tokunaga, June-Oct. 1933*, 5, 1, **14**, n° 79 : 1-5.
- \*VERHOEFF, K. W., 1901. — Zur vergleichende Morphologie, Systematik und Geographie der Chilopoden. *Nova Acta Leopoldina*, **77** : 369-465.
- \*VERHOEFF, K. W., 1905. — Ueber Scutiggeriden. 6. Aufsatz. Variabilität und *Thereuonema*-Arten. Tarsen mit sprungweiser Abänderung. *Zool. Anz.*, **29** : 353-371.
- \*VERHOEFF, K. W., 1914. — Ascospormophoren aus Japan. *Zool. Anz.*, **43** : 342-370.
- \*VERHOEFF, K. W., 1928. — Geophilomorphen-Beiträge und eine *Lithobius*-Form. *Mitt. Zool. Mus. Berlin*, **14** : 227-286.
- \*VERHOEFF, K. W., 1931. — Chilognathen aus den Bergamasker Alpen und Nachbargebieten; aus über zwei neue Gattungen der Polydesmoidea aus Spanien und Japan. *Zool. Jahrb., Syst.*, **61** : 397-452.
- VERHOEFF, K. W., 1933. — Schwedisch-chinesische wissenschaftlich Expedition nach den nordwestlichen Provinzen Chinas, unter Leitung von Dr. Sven Hedin und Prof. Su Ping-chang. *Ark. Zool.*, **26** : 1-41.
- \*VERHOEFF, K. W., 1934. — Beiträge zur Systematik und Geographie der Chilopoden. *Zool. Jarbh., Syst.*, **66** : 1-152.
- VERHOEFF, K. W., 1935. — Ueber *Scolioplanes*. *Zool. Anz.*, **111** : 10-23.
- VERHOEFF, K. W., 1936a. — Zur Kenntnis der Glyphiuliden (Cambaloidea). *Zool. Anz.*, **113** : 49-62.
- VERHOEFF, K. W., 1936b. — Kritische Untersuchung asiatischer Scutiggeriden. *Zool. Anz.*, **115** : 1-18.
- VERHOEFF, K. W., 1936c. — Ueber Diplopoden aus Japan gesammelt von Herrn Y. Takakuwa. *Trans. Sapporo Nat. Hist. Soc.*, **14** : 148-172.
- \*VERHOEFF, K. W., 1937a. — Chilopoden aus Malacca nach den Objekten des Raffles Museum in Singapore. *Bull. Raffles Mus. Singapore*, **13** : 198-270.
- \*VERHOEFF, K. W., 1937b. — Zur Kenntnis der Lithobiiden. *Arch. Naturgesch.*, **6** : 71-257.
- \*VERHOEFF, K. W., 1938. — Über einige ostasiatische Lithobiiden. *Zool. Anz.*, **123** : 99-105.
- VERHOEFF, K. W., 1939a. — Zur Kenntnis ostasiatischer Diplopoden. IV. *Zool. Anz.*, **127** : 273-285.
- VERHOEFF, K. W., 1939b. — Diplopoden von den Ryukiu-Insel Okinawa. *Biogeographica*, **3** : 118-122.
- VERHOEFF, K. W., 1942a. — Chilopoden aus innerasiatischen Hochgebirgen. *Zool. Anz.*, **137** : 35-52.
- VERHOEFF, K. W., 1942b. — Otostigmen der Mandschurei. *Zool. Anz.*, **138** : 181-188.
- WANG, D. Q., 1993. — Animals of Jangle Mountain: Diplopoda, Chilopoda. Ed. Huang Chuenmei, China Forestry Publishing House : 855-862.
- WANG, D. Q. & ZHANG, C. Z., 1993. — Diplopoda, Chilopoda. Animals of Longqi Mountains, **8** : 845-851.
- WANG, D. Q. & ZHANG, C. Z., 1993. — A new Family of Millipedes (Diplopoda, Callipodida) from southwestern China. *Mem. Peking Nat. Hist. Mus.*, **53** : 375-390.
- \*WANG, Y. M., 1951. — *The Myriapoda of the Philippine Islands*. Ed. Edwards (Ann Arbor, Michigan, USA) : 1-80.
- WANG, Y. M., 1955a. — Serica 1a: Records of Myriapods on Formosa with descriptions of new species. *Quart. J. Taiwan Mus.*, **8** : 13-16.
- WANG, Y. M., 1955b. — Serica 1b: A preliminary report on Myriapoda and Arachnida of Lan You Islets (Botel Tobago), China. *Quart. J. Taiwan Mus.*, **8** : 195-201.
- WANG, Y. M., 1956. — Serica 1c: Records of Myriapods on Formosa with description of new species (2). *Quart. J. Taiwan Mus.*, **9** : 155-159.
- WANG, Y. M., 1957a. — Serica 1f : Records of Myriapods on Taiwan Islands (3) Pescadore Islets, Kao-Young, Pingtung, Changhua and Taipei. *Quart. J. Taiwan Mus.*, **10** : 23-29.
- WANG, Y. M., 1957b. — Serica 1g : Records of Myriapods on Taiwan Islands (4) Six new Polydesmids. *Quart. J. Taiwan Mus.*, **10** : 103-111.
- WANG, Y. M., 1957c. — Serica 1h : Records of Myriapods on Taiwan Islands (5) With descriptions of three new species. *Quart. J. Taiwan Mus.*, **10** : 112-115.
- WANG, Y. M., 1958a. — Serica 1i : On Diplopoda from Taiwan with a new Strongylosomid. *Quart. J. Taiwan Mus.*, **11** : 340-344.
- WANG, Y. M., 1958b. — Records of Formosan Myriapods. In : *Proc. 10th Int. Congr. Ent. Montréal*, **1**, 1956 : 881-882.
- WANG, Y. M., 1959. — Serica 1j : On Chilopoda from Taiwan with a new Lithobid. *Quart. J. Taiwan Mus.*, **12** : 195-199.
- WANG, Y. M., 1960. — On Millipedes and Centipedes from Taiwan, China. In : *Verh. XI. intern. Kongr. Entom. Wien, 17-25 August 1960* : 288-291.

- WANG, Y. M., 1961. — Serica 1k: Millipedes of Taiwan. A new species of family Spirobolidae. *Quart. J. Taiwan Mus.*, **14** : 141-142.
- WANG, Y. M., 1963a. — Serica 1q: Millipedes and Centipedes of Quemoy, Fukien province and Taiwan Island, Botel Tobago (Lan Yu), Taiwan province and of Singapore. *Quart. J. Taiwan Mus.*, **16** : 89-96.
- WANG, Y. M., 1963b. — The Millipedes and Centipedes of Taiwan, China. In: *Proc. XVI<sup>e</sup> Congress Zool. Washington*, **1** : 211.
- WANG, Y. M., 1964. — Serica 1op: *Wallacea* and insular Fauna of Millipedes. *Quart. J. Taiwan Mus.*, **17** : 67-76.
- WANG, Y. M. & WANG T. N. G., 1965. — Distribution of orders Polydesmida and Spirobolida in some oriental islands. In: *Proc. XIIIth Int. Congress Entom. London, 1964*: : 444-445.
- WOOD, H. C., 1863. — On the Chilopoda of North America, with a catalogue of all the specimens in the collection of the Smithsonian Institution. *J. Philad. Acad.*, **5** : 5-52.
- WOOD, H. C., 1865. — New Polyzoniidae. *Proc. Acad. Philadelphie*, **17** : 172-173.
- ZHANG, C. Z., 1985a. — A new species of millipeds of the genus *Junceustreptus* in Southwestern China. *Acta Zool. Sinica*, **10** : 137-139.
- ZHANG, C. Z., 1985b. — A new species of millipeds of the genus *Skleroprotopus* in Stone Buddha Cave, Fangshang County, Beijing. In: *Karst Geomorphology and Speleology*. Beijing, Science Press : 154-156.
- ZHANG, C. Z., 1986. — On the genus *Pratinus* and its two new species from China. *Acta Zootaxon. Sinica*, **11** : 253-257.
- ZHANG, C. Z., 1987a. — A study on decocting methods for *Scolopendra* spp. *Bull. Chin. Mater Med.*, (1986), **11** : 661-663.
- ZHANG, C. Z., 1987b. — Breeding biology of medicinal Centipeds. Sci. Press.
- ZHANG, C. Z., 1993. — Diplopoda from Yunnan caves (II): Contribution to the study of a new cavernous taxon of the Nematophoran Millipedes (Diplopoda, Cælocheta, Callipodida). In: *Proc. XIth Int. Congress Speleol., August 2-8 1993*. : 128-130.
- ZHANG, C. Z., (in press). — An interesting new millipede, *Agariogonopus acrotrifoliatius*, gen. et sp. nov., from a limestone district of Yunnan, China.
- ZHANG, C. Z. & CHANG, N. G., 1990. — A new genus and new species of the family Harpagophoridae from Yunnan, China (Diplopoda, Spirostreptoidea). *Acta Zootaxonom. Sinica*, **15** : 32-35.
- ZHANG, C. Z. & CHEN, Z. P., 1983. — A new species of the genus *Epanerchodus* (Diplopoda: Polydesmida) from Zhejiang province. *Acta Zhejiang Teacher's College (Nature Sci.)*, **6** : 87-89.
- ZHANG, C. Z. & CHEN, Z. P., 1988. — A preliminary study on a new record of the class Pauropoda (Myriapoda) from China. *Sinozoologica*, **6** : 39-54.
- ZHANG, C. Z. & JIN, Y. L., 1981. — A textual study on the medicinal Myriapoda in Ben Cao Gang Mu (the Chinese Encyclopedia of material medicine) 1596. *J. Chin. tradition. Medicine*, **478** : 50-56.
- ZHANG, C. Z. & LI, Z. Y., 1975. — On the difference between *Spirobolus joannesi* (Brölemann) and *Kronopolites swinboei* (Pocock) used in medicine. *Chinese J. Zool.*, **4** : 29-30.
- ZHANG, C. Z. & LI, Z. Y., 1977a. — Eine neue *Yunnanina*-Art (Diplopoda) aus China. *Acta Zool. Sinica*, **23** : 357-359.
- ZHANG, C. Z. & LI, Z. Y., 1977b. — A survey of the Centipede used in medicine (*Scolopendra subspinipes multidentis* Newport) from Duan County, Guangxi. *Chinese J. Zool.*, **1977**, **2** : 33-34.
- ZHANG, C. Z. & LI, Z. Y., 1977c. — Preliminary studies on the centipede (*Scolopendra subspinipes multidentis* Newport) from Hubei province. *Chinese J. Zool.*, **1977**, **1** : 34-36.
- ZHANG, C. Z. & LI, Z. Y., 1978a. — On medical *Kronopolites svenhedini* (Verhoeff) (Diplopoda, Paradoxosomatidae). *Chinese J. Zool.*, **1978**, **3** : 12-13.
- ZHANG, C. Z. & LI, Z. Y., 1978b. — On some Myriapoda from Xisha Islands, Guangdong province. *Chinese J. Zool.*, **1978**, **4** : 1-3.
- ZHANG, C. Z. & LI, Z. Y., 1979a. — Studies on the habits and characteristics of *Scolopendra subspinipes mutilans* L. Koch (Chilopoda). *Chinese J. Zool.*, **1979**, **1** : 20-22.
- ZHANG, C. Z. & LI, Z. Y., 1979b. — The spawn (observations on egg-laying) of *Scolopendra mutilans* L. Koch. *Chinese J. Zool.*, **1979**, **4** : 13-15.
- ZHANG, C. Z. & LI, Z. Y., 1979c. — The habits of *Scolopendra mutilans* L. Koch. *Chinese J. Zool.*, **1979**, **4** : 20-22.
- ZHANG, C. Z. & LI, Z. Y., 1980a. — A preliminary analysis of structure and product of *Scolopendra mutilans* in Daishan County. *Chinese J. Zool.*, **1980**, **2** : 1-3.
- ZHANG, C. Z. & LI, Z. Y., 1980b. — Textual research of medicinal *Spirobolus*. *J. Chin. tradition. Medicine*, **6** : 66-67.
- ZHANG, C. Z. & LI, Z. Y., 1981a. — Ueber Bilingulidae fam. nov. (Diplopoda Spirostreptida) aus dem südchinesischen Karstgebiet. *Acta Zool. Sinica*, **6** : 376-377.

- ZHANG, C. Z. & LI, Z. Y., 1981b. — Eine neue Art vom *Archandrodesmus* (Cryptodesmidae, Diplopoda). *Acta Zootaxonom. Sinica*, **6** : 250-252.
- ZHANG, C. Z. & LI, Z. Y., 1982a. — *Centrodesmus cornutus* sp. nov. eine neue Diplopoden-Art (Paradoxosomatidae, Polydesmida) aus dem Süd-China. *Acta Zootaxonom. Sinica*, **7** : 37-39.
- ZHANG, C. Z. & LI, Z. Y., 1982b. — Eine neue Art vom *Chinosphaera* (Spherotheriida, Diplopoda) aus China. *Acta Zootaxonom. Sinica*, **7** : 152-154.
- ZHANG, C. Z. & LI, Z. Y., 1982c. — Die Gattung *Glyphiulus* (Diplopoda, Cambalidea) von China. *Sinozoologica*, **2** : 85-93.
- ZHANG, C. Z. & LI, Z. Y., 1983. — The *Scolopendra mazbii* Gravely, 1912 of Xizang Autonomus region (Tibet). *Chinese J. Zool.*, **1983**, **5** : 50-51.
- ZHANG, C. Z. & LI, Z. Y., 1990. — Textual research of medicinal Polydesmoid. *J. Chin. tradition. Medicine*, **466** : 66-67.
- ZHANG, C. Z., LI, Z. Y. & MAO, J. R., 1980. — The preliminary study on Symphyla of China. *Chinese J. Zool.*, **1980**, **2** : 4-7.
- ZHANG, C. Z., LI, Z. Y. *et al.* 1983. — The development of *Scolopendra subspinipes mutilans* L. Koch (Scolopendridae, Chilopoda). *Chinese J. Zool.*, **1983**, **4** : 17-19.
- ZHANG, C. Z., LI, Z. Y. & MAO, J. R., 1984. — A new species of the genus *Kiulinga* (Diplopoda, Xystodesmidae). *Acta Zootaxonomica Sinica*, **9** : 135-137.
- ZHANG, C. Z. & TANG, H.G., 1985. — Eine neue Art der Gattung *Hedinomorpha* (Diplopoda, Paradoxosomatidae) aus China. *Sinozoologica*, **3** : 35-38.
- ZHANG, C. Z. & WANG, D. Q., 1993. — Diplopoda from Yunnan caves (1): A study on new genera and species of the millipede family Doratodesmidae. *In: Karst landscape & Cave tourism*. China Environ. Sci. Press : 205-220.
- ZHANG, C. Z., ZHANG, F. X. & WANG, D. Q., 1992. — A survey on the resources of Centipeds for medicinal use in Wuling Mountains. *Chinese J. Zool.*, **27** : 8-11.